Job	Truss	Truss Type	Qty	Ply	JOHN & JULIE TOMLIN
B0013-13	A4DRAG	ATTIC TRUSS	2	1	R0664816

Job Reference (optional)

Pacific Continental Truss, Watsonville, CA, 95076

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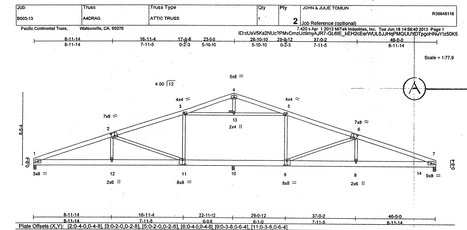


LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in (loc)	l/def	L/d	PLATES	GRIP
TCLL	20.0	Plates Increase	1.25	TC	0.23	Vert(LL)	-0.29 8-9	>958	360	MT20	220/195
TCDL	22.0	Lumber Increase	1.25	BC	0.95	Vert(TL)	-0.59 8-9	>466	240		
BCLL	0.0 *	Rep Stress Incr	YES	WB	0.48	Horz(TL)	0.12 7	n/a	n/a		
BCDL	10.0	Code	IBC2006/TPI2007	(Matrix)		Wind(LL)	0.15 8-9	>999	240	Weight: 608 lb	FT = 0%

LUMBER
TOP CHORD 2x6 DF No.2 G
BOT CHORD 2x8 DF No.2 G
WEBS 2x4 DF Std G

BRACING
TOP CHORD Structural wood sheathing directly applied or 6-0-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 2-2-0 oc bracing.
JOINTS 1 Brace at Jts(s): 13

REACTIONS (lb/size) 1=2091/0-3-8 (min. 0-1-8), 7=2093/0-3-8 (min. 0-1-8), 10=21465/0-3-8 (min. 0-1-8)
Max Horz 1=-259(LC 14)
Max Uplift 1=-640(LC 16), 7=-722(LC 19), 10=-52(LC 16)
Max Grav 1=2489(LC 11), 7=2599(LC 10), 10=22230(LC 11)

QUALIFIED BUILDING DESIGNER OR PROJECT ENGINEER SHALL REVIEW THE INPUT LENGTH AND PLACEMENT OF CONNECTION TO TRANSFER LATERAL FORCES TO THE SUPPORTING STRUCTURE AS STATED IN THE DRAG LOAD NOTE BELOW.

FORCES (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.
TOP CHORD 1-2=-6285/1693, 2-3=-4323/975, 3-4=-15699/459, 4-5=-16514/80, 5-6=-4587/1224, 6-7=-2599/0
BOT CHORD 1-13=-1483/6824, 11-13=-1483/6824, 10-11=-1127/4311, 9-10=-1127/4311, 8-9=-1487/5793, 8-14=-1487/5793, 7-14=-1775/5293
WEBS 5-9=0/541, 6-9=-1784/473, 6-8=-38/839, 3-11=-8/303, 2-11=-1759/447, 2-13=-19/523, 3-13=-237/349, 5-13=-237/349

NOTES
1) 5-ply truss to be connected together with 10d (0.131"x3") nails as follows:
Top chords connected as follows: 2x8 - 2 rows staggered at 0-9-0 oc.
Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-9-0 oc.
Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.
2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.
3) Unbalanced roof live loads have been considered for this design.
4) Wind: ASCE 7-05; 85mph; TCDL=6.0psf; BCDL=3.0psf; h=25ft; Cat. II; Exp C; enclosed; MWFRS (low-rise); gable end zone; cantilever left and right exposed ; end vertical left and right exposed; Lumber DOL=1.33 plate grip DOL=1.33
5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
6) * This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
7) Ceiling dead load (5.0 psf) on member(s). 3-13, 5-13
8) Bottom chord live load (50.0 psf) and additional bottom chord dead load (10.0 psf) applied only to room. 10-11, 9-10
9) A plate rating reduction of 20% has been applied for the green lumber members.
10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 10 except (jt=lb) 1=640, 7=722.
11) This truss has been designed for a total drag load of 2500 lb. Lumber DOL=1.33 Plate grip DOL=1.33. Connect truss to resist drag loads along bottom chord from 44-0-0 to 46-0-0 for 1250.0 plf.
12) Attic room checked for L/360 deflection.

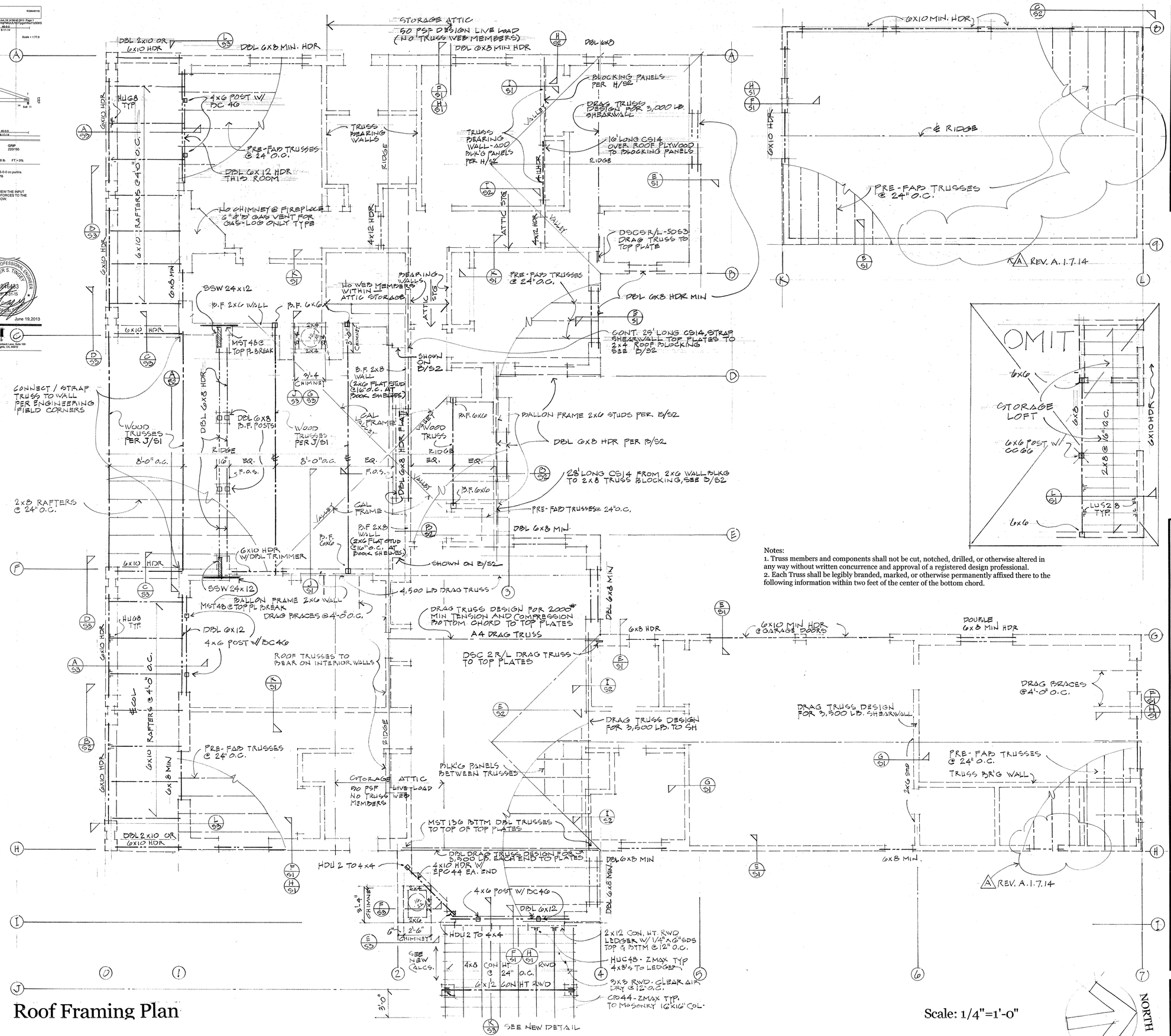
LOAD CASE(S) Standard

RECISTERED PROFESSIONAL ENGINEER
PALMER S. TINGEY
C 046483
Exp. 03-31-15
CIVIL
STATE OF CALIFORNIA

June 19,2013

WARNING - Truss design drawings and SPECIFICATIONS are NOT complete without the seal and signature of the engineer. Truss design drawings are valid for use only with MiTek connectors. This design is based only upon information shown, and is for an individual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer - not truss designer. Bracing shown is for lateral support of individual truss members only. Additional temporary bracing of the overall structure is the responsibility of the erector. Additional permanent bracing of the overall structure is the responsibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult ANSI/TPI1 Quality Criteria, DSB-89 and BCSI Building Component Safety Information, available from the Truss Plate Institute, 583 D'Onofrio Drive, Madison, WI 53719.

MiTek Mini
7777 Greenback Lane, Suite 109
Citrus Heights, CA, 95610



Notes:
1. Truss members and components shall not be cut, notched, drilled, or otherwise altered in any way without written concurrence and approval of a registered design professional.
2. Each Truss shall be legibly branded, marked, or otherwise permanently affixed there to the following information within two feet of the center of the bottom chord.

Roof Framing Plan

Scale: 1/4"=1'-0"

MacKenzie Patterson Architect
C7065
Box 2497, Carmel, CA 93921
Phone:(831)624-4853, Fax:(831)624-4853

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LICENSED ARCHITECT
MacKenzie C. Patterson
C7065
Date: Nov.2013
STATE OF CALIFORNIA

A New Residence for:
Mr. & Mrs. John & Julie Tomlin
19 La Rancheria, Carmel Valley, California 93924
Monterey County A.P.No. 187-131-042-000, gldnbrjt@aol.com, Phone 408-257-9349

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